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2003-3-2003

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert F. Senzig, et al. : Art Unit: 2882  
 Serial No.: 09/451,965 : Examiner: Allen C. Ho  
 Filed: November 30, 1999 :  
 For: IMAGING SYSTEM FOR :  
 GENERATING HIGH QUALITY :  
 IMAGES :

**AMENDMENT AFTER FINAL**

Box: AF  
 Hon. Commissioner for Patents  
 Washington, D.C. 20231

In response to the Office Action dated August 27, 2002 and made final, Applicants respectfully request entry and consideration of the following amendment.

**IN THE CLAIMS**

1. (twice amended) A method of generating an image of an object using a multimode imaging system configured to operate in a plurality of modes of operation including at least three modes, the multimode imaging system including a source assembly, a detector assembly, and a means for positioning the source assembly and the detector assembly, the source assembly coupled to the means for positioning and including an x-ray source configured to emit x-ray signals, the detector assembly coupled to the means for positioning and including a detector, said method comprising the steps of:

selecting a first mode of operation;

positioning the source assembly and the detector assembly in a first position using the positioning means for the first mode of operation, wherein the source assembly and the detector assembly are coupled to the positioning means;

selecting a second mode of operation;

positioning the source assembly and the detector assembly for the second mode of operation in a second position different from the first position using the positioning means,

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01 FC:1251				110.00 CH
02 FC:1201				84.00 CH
03 FC:1202				18.00 CH